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The Gazette of India

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PUBLISHED BY AUTHORITY

सं० 46] नई दिल्ली, शनिवार, नवम्बर 16, 1985 (कार्तिका 25, 1907)
No. 46] NEW DELHI, SATURDAY, NOVEMBER 16, 1985 (KARTIKA 25, 1907)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके ।
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the Patent Office relating to Patents and Designs]

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Calcutta, the 16th November 1985

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1—327 GI/85

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CORRIGENDUM

In the Gazette of India, Part-III, Section 2, dated the 27th July, 1985 in Page 590 Column-I, under the heading "OPPOSITION PROCEEDINGS" under item (1) in respect of Patent No. 148536 has been treated 'as withdrawn' read 'as dismissed'.

APPLICATION FOR PATENT FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17

10th October, 1985

- 713/Cal/85. Nobuhiko IWASA. Wave Dissipation Caisson.
- 714/Cal/85. Gilles ASCHER. A portable electrocardiogram recorder.
- 715/Cal/85. American Home Products Corporation. Process for the preparation of 6-aminopenicillanic acid 7-aminoccephalosporanic acid or 7-aminodesacetoxycephalosporanic acid. (24th September 1983) U.K. [Divisional date 27th August 1984]
- 716/Cal/85. Hoechst Aktiengesellschaft. A process for the preparation of water-soluble copper complex diazo compounds. [Divisional date 17th January, 1983]
- 717/Cal/85. Trutzschler GMBH & CO. KG. A fixture for pneumatic charging of a number of cards.
- 718/Cal/85. Interface Research Corporation. Microbiocidal Composition and method of preparation thereof

11th October, 1985

- 719/Cal/85. Fried Krupp Gesellschaft Mit Beschränkter Haftung. A method and a device to determine the material flow rate of belt conveyors.
- 720/Cal/85. Madhav Anant Date. An electronic circuit for the protection of transformers against overload through temperature sensing.
- 721/Cal/85. Tata-Robins-Fraser Limited. Suction duct for paddle feeders for coal.
- 722/Cal/85. Stanadyne Inc. Fuel injection pump with spill control mechanism.

14th October, 1985

- 723/Cal/85. (1) Ronald Heggart, (2) Willard McClintock, (3) Randy Engstrom. Furnace cooling system and method. (12th October, 1984) U.S.A.
- 724/Cal/85. Isover Saint-Gobain. Improvements relating to the supply of drawable material in fibre producing techniques.
- 725/Cal/85. Fletcher Sutcliffe Wild Limited. Torque transmission arrangement and control system for same. (17th October, 1984) United Kingdom.
- 726/Cal/85. Staedtler & UHI. Opening cylinder for open-end spinning.
- 727/Cal/85. Munters Euroform GMBH. Spacer for mist eliminator.
- 728/Cal/85. Hoechst Aktiengesellschaft. A process for the preparation of water-soluble azo compounds [Divisional dated 12th August, 1982].

729/Cal/85. Carbon Gas Technologie GMBH. Process for producing low-sulphur gas from finely ground carbonaceous solids.

15th October, 1985

- 730/Cal/85. Richter Gedeon Vegyeszeti Gyar RT. Metal complexes of Bis-indole compounds and aqueous pharmaceutical compositions containing them.
- 731/Cal/85. Abdul Alim. A pump.
- 732/Cal/85. Klein, Schanzlin & Becker Aktiengesellschaft. A shaft seal assembly.
- 733/Cal/85. Kortec AG. Closure apparatus for a tap hole in the bottom of a metallurgical vessel.
- 734/Cal/85. Degussa Aktiengesellschaft. Bis-(2-Ethylamino-4-Diethylamino-S-Triazin-6-Yl) Tetrasulphide.

16th October, 1985

- 735/Cal/85. Ronald S. ACE. Ophthalmic glass/plastic laminated lens having photochromic characteristics and method of assembly thereof.
- 736/Cal/85. General Electric Environmental Services, Inc. Protection arrangement for switching device of a capacitive load pulser circuit.
- 737/Cal/85. General Electric Environmental Services, Inc. False triggering protection for switching device of a capacitive load pulser circuit.
- 738/Cal/85. Manifattura Cincla S.R.L. Device for driving the gripper bearing belts or rods in textile looms.
- 739/Cal/85. The Lubrizol Corporation. Sulfurized composition and lubricants.
- 740/Cal/85. Tata-Robins-Fraser Limited. Screens for grading sieving or screening powdery material.

APPLICATION FOR PATENT FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI

23rd September, 1985

- 771/Del/85. Om Parkash Ratra. "Plastics fibre reinforced concrete and load bearing manhole cover assembly made therefrom".
- 772/Del/85. Sulzer Brothers Ltd. "Reaction vessel".
- 773/Del/85. Hazemag Dr. F. Andreas GmbH & Co., "Push feeder".

24th September, 1985

- 774/Del/85. Mobil Solar Energy Corporation. "Apparatus for growing tubular crystalline bodies". [Divisional date 21st July, 1982].
- 775/Del/85. The B. F. Goodrich Co., "Low molecular weight vinyl halide/vinyl ester copolymers by aqueous polymerization".
- 776/Del/85. Shell Internationale Research Maatschappij B.V., "Process for preparing 4-hydroxycoumarin derivatives". (Convention date 26th September, 1984) (U.K.).
- 777/Del/85. The Commonwealth Industrial Gases Ltd., "Method and apparatus for harvesting flower heads". (Convention date 26th September, 1984) (Australia).
- 778/Del/85. Ciba-Geigy AG., "Unsaturated polysiloxanes polymerizable compositions and contact lenses thereof".
- 779/Del/85. Imperial Chemical Industries Plc., "Process for preparing polymer dispersions from tertiary amine copolymerizing monomers". (Convention date October 23, 1981 & April 30, 1982) (U.K.) & [Divisional date 12th October, 1982]

25th September, 1985

- 780/Del/85. Prem Nath Rao, 'Semi water powered engine'.
- 781/Del/85. Council of Scientific and Industrial Research, "Process for the removal of impurities from sea salt and sub soil brine salt by floatation technique".
- 782/Del/85. Council of Scientific and Industrial Research, "Improvements in or relating to a process to coat low carbon and low alloy steels with aluminium diffuse zones".
- 783/Del/85 STC PLC, Optical fibres (Convention date 29th September, 1984) (U K)
- 784/Del/85. Toyo Engineering Corporation, Process for producing urea
- 785/Del/85 PPG Industries, Inc., Method and apparatus for melting material, such as glass.
- 786/Del/85 Ex-Cell-o-Corporation, 'Flat top end closure for liquid containers'.

27th September, 1985

- 787/Del/85 Bendix France "Device for attaching a component of a strut incorporating an automatic adjustment device for a shoe of a drum brake"
- 788/Del/85 Bendix France Drum brake and spacer for such a brake.
- 789/Del/85 Bendix France, Drum brake with automatic adjustment
- 790/Del/85 Bendix France, Drum brake.
- 791/Del/85 Drägerwerk Aktiengesellschaft, Protective respiratory apparatus with respiratory air circulation

30th September, 1985

- 792/Del/85 Arun Pratap Singh, Fridge cum air cooler
- 793/Del/85 Arun Pratap Singh, The extended play cassette recorder
- 794/Del/85 Arun Pratap Singh, The cassette match box with refill system
- 795/Del/85 Arun Pratap Singh, 'The safety match box with refill system'
- 796/Del/85 Rockwell International Corporation Composite rod structure'
- 797/Del/85 Rockwell International Corporation Rod actuator for automatic slack adjusting mechanisms
- 798/Del/85 USS Engineers and Consultants Inc, 'High strength coke oven mortar'
- 799/Del/85 SKF Nova AB 'Clamping ring with variable bore size'
- 800/Del/85 William Benedict Johnson 'Fluidized bed combustion apparatus and method of carrying out fluidized bed combustion' (Convention date 6th April, 1982) (U K) [Divisional date 7th September 1982]

ALTERATION OF DATE

156835 Ante dated to 1st October 1980
(1565/Cal/83)

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the application concerned, may at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement

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CLASS 28-A 156832

Int Cl F 23 d 13/00.

A SYSTEM FOR INTERMIXING AIR, FUEL AND RECYCLING GASES WITHIN THE COMBUSTION CHAMBER OF AN INDUSTRIAL BURNER.

Applicant HAUCK MANUFACTURING COMPANY,
OF P O BOX 90, LEBANON, PENNSYLVANIA 17042,
USA

Inventors 1. RAYMOND JOHN WOJCIECHSON, (2) LEONARD GARY NOWAK

Application No. 1307 Cal/82 filed November 6, 1982

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta

9 Claims

A system for intermixing air, fuel and recycling gases within the combustion chamber of an industrial burner having means for delivering fuel into the combustion chamber to provide a flame having substantially uniform combustion gas profiles of velocity and temperature at the combustion chamber exit, the system comprising

a secondary air passage for the flow of secondary air surrounding the fuel delivering means and having an inner wall, an outer wall and means for dividing said secondary air passage into a plurality of separate flow passages to provide zones of secondary air flow,

a flow attachment wall connected to the outer wall of said secondary air passage and extending into the combustion chamber

a secondary air inlet means and secondary air chamber for conducting secondary air to said secondary air passage in a direction parallel to the longitudinal axis of said secondary air passage,

said flow distribution chamber connected between said inlet means and said secondary air passage,

edge means connected to said secondary air passage inlet wall downstream of said dividing means for promoting attachment of said secondary air flow along said flow attachment wall and for providing a boundary between regions of different pressures adjacent said edge means in the combustion chamber to promote generation of vortices by the interaction of the high pressure secondary air flow with the fuel delivering means

Compl Specn 17 pages.

Digs. 2 sheets.

CLASS : 76-H.

156833

Int. Cl. : F 16 I 47/00, 49/00.

APPARATUS FOR PREVENTING FLOW OF WATER BETWEEN UNDERWATER PIPELINES.

Applicant : McDERMOTT INCORPORATED OF P.O. BOX 60035, 1010 COMMON STREET, NEW ORLEANS, LOUISIANA 70160, U.S.A.

Inventors : 1. DEREK THOMAS FERN, 2. GARY EDWARD HARRISON

Application No. 191/Cal/83 filed February 17, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

Apparatus for preventing flow of water from a first underwater pipeline portion forward of the apparatus to a second underwater pipeline portion rearward of the apparatus, the apparatus comprising means for preventing movement of the apparatus in a rearwardly direction in a pipeline, and means responsive to water pressure from forwardly of the apparatus for sealing of the pipeline against flow of water from the first underwater pipeline portion to the second underwater pipeline portion.

Compl. Specn. 21 pages.

Drgs. 1 sheet.

CLASS : 98-G.

156834

Int. Cl. : F 28 c 3/16.

NON-PLUGGING, PRESSURE EQUALIZED TUBE SHEET FOR GASIFICATION SYSTEM HEAT EXCHANGER.

Applicant : KRW ENERGY SYSTEMS INC., OF THREE GREENWAY PLAZA, HOUSTON, TEXAS 77046, UNITED STATES OF AMERICA.

Inventor : 1. JOHN ANTHONY RYLATT.

Application No. 508/Cal 83 filed April 27, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

6 Claims

A heat exchanger for a gas carrying an abrasive particulate, comprising a shell (52, 109) having first and second tube sheets (56, 60) extending thereacross at opposite ends thereof and defining particulate containing fluid inlet and outlet chambers, a plurality of tubes supported within said shell (52, 109) between said tube sheets (56, 60), a third tube sheet (58) extending across said shell (52) adjacent to but spaced from said first tube sheet (58) so as to divide the space between said first and second tube sheets into a first chamber adjacent the inlet end and a second chamber adjacent the outlet end of said shell (52), inlet means associated with said inlet chamber for admitting said particulate containing fluid into said inlet chamber, said inlet chamber being in flow communication with the outlet chamber through said tubes (62), means for flowing a cooling fluid through said second chamber in heat exchange relation with said particulate containing fluid, and means for conducting a buffer fluid through said first chamber, characterized by at least one pressure equalizing means (84, 86) between said inlet and said first chambers adapted to reduce pressure differential across said first tube sheet (56).

Compl. Specn. 12 pages.

Drgs. 1 sheet.

CLASS : 66-D₁₀.

156835

Int. Cl. : H 01 k 1/00.

METHOD OF APPLYING A HEAT MIRROR TO AN ENVELOPE FOR INCANDESCENT LAMPS AND INCANDESCENT LAMPS COMPRISING SAID ENVELOPE.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor : 1. BULENT ERTURK YOLDAS.

Application No 1565/Cal, 83 filed December 21, 1983.

Division of Application No. 4122/Cal/80 dated 1st October, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A method of applying coating of heat mirror which is transmissive for visible radiations and reflective for infrared radiations to the interior surface of a regularly conformed hollow thin-walled vitreous light-transmitting member such as glass bulb, tube and the like intended for use as an envelope for electric incandescent lamps, which method comprises :

- (a) applying contiguous with the interior surface of said vitreous member a thin continuous silver layer of predetermined thickness sufficient to be substantially transmissive for visible radiations and substantially reflective for infrared radiations
- (b) applying over the applied silver layer to a substantially uniform predetermined thickness, a clear solution having contained therein partially hydrolyzed metallic alkoxide which in the metallic alkoxide form prior to hydrolyzation is expressed as M(OR)_n, wherein M at least substantially comprises titanium, n' R is alkyl with from 1 to 6 carbon atoms, and n is the valence of M, total reacted and unreacted water in said solution being present in amount of from 0.6 mole to 8 moles per mole of said metallic alkoxide; the solution solvent being liquid aliphatic alcohol present in amount to provide a solution solids content, expressed as equivalent metallic oxide, of from 0.1% to 3% by weight, and as an optional constituent, said solution is acidified with at least one of hydrochloric, nitric and perchloric acid in amount of up to about 0.3 mole per mole of said metallic alkoxide; and
- (c) heating said envelope and applied clear solution to a temperature of from 300°C to 425°C under conditions which are non-reactive for silver for a sufficient period of time to convert said second applied clear solution to an adherent clear metallic oxide layer.

Compl. Specn. 22 pages. Drg. 4 sheets.

CLASS : B 3 A.

156836.

Int. Class : A45c 11/00.

"A POUCH AND ITS MANUFACTURE THEREOF".

Applicant : UNISYSTEMS PRIVATE LTD., 25, COMMUNITY CENTRE, EAST OF KAILASH, NEW DELHI-110065, INDIA, AS INDIAN COMPANY.

Inventor : KAMAL MEATTLE.

Application for Patent No. 203/Del/81 filed on 9th April, 1981.

Complete specification left on 21st June, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

A pouch or packet for containing or storing materials in the form of solids or liquids comprising a front wall and a rear wall, both formed of a laminate inner sheet of a laminate being a thermo-weldable materials, the two walls being secured together along their edges by heat sealing or thermo-welding, and a base member formed from a separate sheet of the laminate disposed at a height above the lower ends of the said walls and secured to the inner faces of the walls along their edges, the walls and the base member not being sealed or welded together in the areas surrounded by the said edges.

(Provisional specification 6 pages).

(Complete specification 11 pages. Drawing 1 sheet).

CLASS : 32B, 56B, 85G, 98G.

156837.

Int. Class : C07c—3/28, F28d—1/06, F27b—1/22.

"PROCESS AND APPARATUS FOR HEATING HYDROCARBONS TO FORM HOT HYDROCARBON REACTION PRODUCTS IN PETROLEUM AND CHEMICAL PROCESSES".

Applicant : THE M. W. KELLOGG COMPANY, OF THREE GREENWAY PLAZA EAST, HOUSTON, TEXAS-77046, UNITED STATES OF AMERICA, AN AMERICAN COMPANY.

Inventors : WILLIAM DAVID PARIZOT PAUL DAVID GLENICK AND LOWELL DAVID FRALEY.

Application for Patent No. 343/Del/81 filed on 29-5-81.

Appropriate office for opposition proceedings (Rule 4, Patent Rule, 1972) Patent Office Branch, New Delhi-5.

11 Claims

A process for heating a hydrocarbon feed stream adapted to be employed in a petroleum or chemical process of the kind such as herein described to form hot hydrocarbon reaction products which comprises a first phase of contacting said hydrocarbons with heated combustion gas in substantially backmixed flow condition such as herein defined and a second phase thereafter of contacting said hydrocarbons with said combustion gas in substantially plug-flow condition such as herein defined to achieve a declining temperature profile in the heated hydrocarbon stream as it passes from said first phase to said second phase.

Complete specification 16 pages. Drawing 5 sheets).

CLASS : 32F₂(a).

156838.

Int. Class : C07c—85/00 & 87/00.

"NEW PROCESS FOR DEALKYLATION OF TERTIARY AMINES USING α -CHLORINATED CHLOROFORMATES".

Applicant : SOCIETE NATIONALE DES POUDERS ET EXPLOSIFS, OF 12 QUAI HENRI IV, 75181 PARIS, CEDEX 04, (FRANCE), A FRENCH COMPANY.

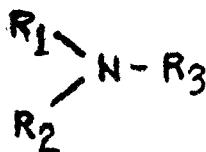
Inventors : MALFROOT THIERRY, PITEAU MARC & SENET JEAN PIERRE.

Application for Patent No. 412/Del/81 filed on 26th June, 1981.

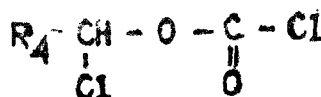
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

8 Claims

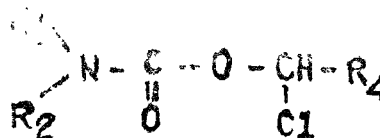
Process for the dealkylation of a tertiary amine carrying at least one alkyl radical of the formula I



in which R_1 and R_2 represent saturated or unsaturated, substituted or unsubstituted aliphatic or cycloaliphatic radicals or substituted or unsubstituted aromatic radicals, it being possible for the radicals R_1 and R_2 to be chemically bonded to one another so as to form a substituted or unsubstituted ring, and R_3 represents an aliphatic or araliphatic radical, characterised in that an α -chlorinated chloroformate of the formula II



in which : R_4 represents a saturated aliphatic radical which is unsubstituted or substituted by halogen atoms, is reacted with the amine of formula I so as to obtain an α -chlorinated carbamate of the formula III



in which R_1 , R_2 and R_3 have the same meaning as above, and in that α -chlorinated carbamate thus obtained is treated with a light hydroxylated solvent of the formula R_5OH , in which R_5 represents a linear or branched aliphatic radical containing from 1 to 4 carbon atoms or a hydrogen.

Complete specification 23 pages. Drawing 3 sheets).

CLASS : A29A, G.

156839.

Int. Class : B 21f 3/00.

"METHOD OF AND APPARATUS FOR THE FORMATION OF ASSEMBLIES OF INTERDIGITATED COILS".

Applicant : TEXTIEL TECHNIEK HAAKSBERGEN B.V., A COMPANY INCORPORATED UNDER THE LAWS OF THE KINGDOM OF NETHERLANDS, OF GOORSESSTRAAT 17, NL-7480 AA HAAKSBERGEN, NETHERLANDS.

Inventor : GERRITOWILLEM EGBERT LEUVELINK.

Application for Patent No. 414/Del/81 filed on 29th June, 1981.

Convention date 12th July, 1980/8022869 (U.K.).

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

27 Claims

A method for the formation of an assembly of interdigitated coil, composed of continuous lengths of flexible, closely-wound helical coils alternately of opposite hand, which comprises locating coils of opposite hand in superimposed laterally overlapping disposition and causing the coils, when so disposed, to move together into interdigitated side-by-side relationship to form the desired assembly.

(Complete Specification 16 pages. Drawings 2 sheets).

CLASS : 32F₂(a).

156840.

Int. Class : C07d 99/24.

"PROCESS FOR PREPARING CEPHALOSPORINS".

Applicant : SMITHKLINE BECKMAN CORPORATION, FORMERLY KNOWN AS SMITHKLINE CORPORATION, OF 1500 SPRING GARDEN STREET, CITY OF PHILADELPHIA, COMMONWEALTH OF PENNSYLVANIA 19101, UNITED STATES OF AMERICA, A CORPORATION ORGANIZED UNDER THE LAWS OF THE COMMONWEALTH OF PENNSYLVANIA, ONE OF THE UNITED STATES OF AMERICA.

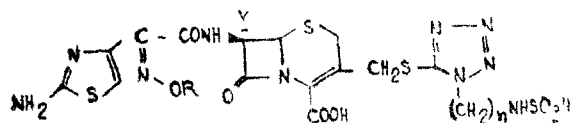
Inventor : DAVID ALAN BERGES, GEORGE LOWRENCE DUNN.

Application for Patent No 418/Del/81 filed on 30th June, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5

6 Claims

A process for preparing a cephalosporin compound of the Formula V

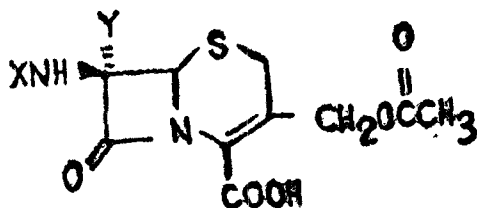


in which R is hydrogen or lower alkyl of 1-4 carbon atoms, Y is hydrogen or methoxy

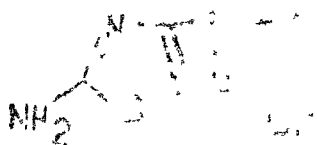
n is 2 to 5

comprising

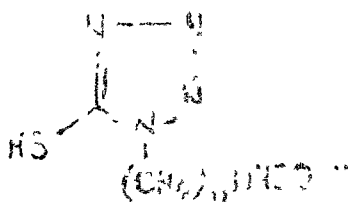
(a) reacting a compound of the Formula VI



in which X is hydrogen or compound of Formula VII

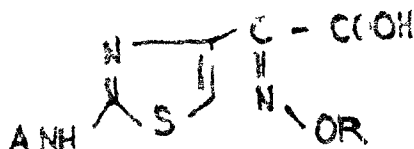


and R and Y are as defined above with the compound of the Formula II



or a salt thereof

(b) when X is hydrogen, acylating the resulting product with a compound of the Formula IV



wherein A is an amino protecting group

(c) removing in any known manner any protecting group

Complete Specification 13 pages Drawing 2 sheets

CLASS 49C, D

156841.

Int Class 44J 19/00

AN ELECTRICALLY DRIVEN CEN REFUGAL JUICE EXTRACTOR

Applicant : RAJINDER NATH OF INDUSTRIAL ESTABLISHMENT, 15400, HARYANA INDIA, AN INDIAN NATIONAL

Inventor : RAJINDER NATH

Application for Patent No 449 Del/81 filed on 14th July, 1981

Complete Specification left on 27th July 1982

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

11 Claims

An electrically driven centrifugal juice extractor comprising a cylindrical bowl, a sieve or second bowl coaxial and integral with the said bowl and disposed therein, the two bowls defining an inner chamber and an outer chamber, a conical member formed of a mesh material supported within the said sieve or second bowl and secured thereto by a ring fitted on the upper rim of the conical member, a vertical shaft extending from below and through a central opening at lower end of the said conical member, a plate member having a plurality of sharp projections or serrations formed therein fixed to the upper end of the shaft and closing the opening in the said conical member means for rotating the said shaft means for feeding pieces or slices of fruit or vegetables into the conical member and means for draining off the extracted juice

Complete specification 10 pages

Provisional Specification 5 pages Drawing 1 sheet

CLASS : 51 D

156842.

Int Class 3 26 b, 21/00

RAZOR BLADE ASSEMBLY

Applicant : THE GILLETTE COMPANY A COMPANY ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE U.S.A., OF PRUDENTIAL TOWER BUILDING, BOSTON STATE OF MASSACHUSETTS UNITED STATES OF AMERICA

Inventor : ROBERT ANTHONY FROTTA

Application for Patent No 462 Del/1981 filed on 21st July, 1981

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5

11 Claims

A razor blade assembly including a platform said platform having a longitudinal rear edge defining a base a longitudinal front edge and a substantially parallel thereto and ends interconnecting said base and front edge a cap at least partially overlying said platform at least one blade between said platform and said cap, a guard overlying said platform front edge and blade supporting resilient arm extending from the base toward the guard

Complete specification 13 pages Drawings 7 sheets.

CLASS : 13 A

156843.

Int Class 45C 11/00

IMPROVEMENTS IN OR RELATING TO CACHES OR PACKETS AND TO A METHOD OF MANUFACTURING THE SAME

Applicant : UNISYSTEMS PRIVATE LTD. A COMMUNITY CENTRE EAST OF KALASH NIW DEHRA DUN, AN INDIAN COMPANY

Inventor : KAMAL MEHTA

Application for Patent No. 470/Del/81 filed on 23rd July, 1981.

Complete specification left on 29th June, 1982.

Addition to Patent application No. 203/Del/81 filed on 9th April, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch New Delhi-110005.

4 Claims

A pouch or packet provided according to the main invention disclosed in the specification of my application No. 203/Del/81 for containing or storing materials in the form of solids or liquids, comprises a front wall and rear wall, both formed of a laminate, the inner sheet of each laminate being made of a thermoweldable material, the two walls being secured together along their edges by heat sealing or thermowelding, and a base member formed of a separate piece of such laminate, the front wall, rear wall and the faces of the base member being secured together only along an area having an upper arcuate surface.

Provisional specification 6 pages, Drawing 1 sheet.

Complete specification 10 pages.

CLASS : 5C. 156844.

Int. Class : A 01 d, 35/00.

"A MACHINE FOR CUTTING STANDING CROPS".

Applicant : MR. TUNDA MAL, OF HOUSE NO. 122, CHAPETI KALAN MOHALLA, FEROZABAD, DIST. AGRA, UTTAR PRADESH, AN INDIAN NATIONAL

Inventor : MR. TUNDA MAL.

Application for Patent No. 472/Del/81 filed on 23rd July, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 5.

4 Claims

A machine for cutting standing crops which comprises, a first cutter member and a second cutter member, the first cutter member overlapping the other cutter member both the said cutters being comb-shaped and having prongs with sharp edges on the sides, the said first cutter member being provided with means to impart to it, a reciprocating movement over and relative to the said second cutter member which is stationary, the reciprocating movement of the said first cutter member cutting the stalks of the crops trapped between the prongs of the said second cutter member.

Complete Specification 6 pages, Drawing 1 sheet.

CLASS : 102C 101F. 156845.

Int. Class : G 01 f, 1/00.

"A FLOW INDICATOR DEVICE FOR A FLUID SYSTEM".

Applicant : NILS OSCAR ROSAEN, A U.S. CITIZEN, OF 1755 EAST NINE MILE HAZEL PARK MICHIGAN 48030 UNITED STATES OF AMERICA.

Inventor : NILS OSCAR ROSAEN.

Application for Patent No. 480/Del/81 filed on 27th July, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi 5.

8 Claims

A flow indicator device for a fluid system comprising a housing having a chamber, an inlet port and an outlet port registering with said chamber and adapted to be connected with said system, an interior wall extending into said chamber intermediate said inlet port and said outlet port; a vane

member rotatably mounted in said housing on an axis disposed closely adjacent the edge of said interior wall whereby said wall and said vane member cooperate to separate said inlet port from said outlet port, said housing being provided with interior walls having a substantially semi-spherical inner surface, said vane member having a substantially semicircular edge rotatable adjacent said semi-spherical surface the center of said semi-spherical surface being displaced from the center of the semisphere circumscribed by said circular edge upon rotation of said vane member, whereby the space between said edge and said surface varies at each rotative position of said vane member; a shaft having opposite ends rotatably mounted in said housing means mounting said vane member to said shaft such that said vane member rotates with said shaft about the axis of rotation of said shaft; the improvement comprising a seal member having a first portion rigidly secured to said housing and a second portion extending between said housing interior wall and said mounting means, said second portion extending substantially entirely along and abutting against the outer peripheral surface of said mounting means to prevent fluid leakage between said vane mounting means and said housing interior wall.

Complete Specification 12 pages, Drawings 2 sheets.

CLASS : 145F 34B. 156846.

Int. Class : D 21C, 3/00.

"AN IMPROVED METHOD FOR TREATING LIGNOCELLULOSIC MATERIALS, SUCH AS HARDWOODS, BAGASSE AND THE LIKE TO INCREASE THE ACCESSIBILITY OF CELLULOSE CONTAINED THEREIN TO RUMEN BACTERIA, ENZYMES, MICROORGANISMS AND THE LIKE".

Applicant : PATRIK FOODY, OF 3870 COTE VERTU, ST. LAURENT, QUEBEC, CANADA H4R1V4, A CANADIAN CITIZEN.

Inventor : PATRIK FOODY.

Application for Patent No. 481/Del/81 filed on 27th July, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

24 Claims

An improved method for treating lignocellulosic materials, such as hardwoods, bagasse and the like to increase the accessibility of cellulose contained therein to rumen bacteria, enzymes, microorganisms and the like, characterized by an optimization of a range of cooking times (t_c) which will respond to the actual pressure conditions in the reactor as they may change over time during a given cooking run and render the cellulose most open for attack by said microorganisms or enzymes as measured by the rate or extent of their reaction, said method comprising the steps of

- feeding lignocellulosic material in a divided form into a pressure reactor vessel and
- introducing pressurized steam into the vessel during a pressurization time phase so as to reach reactor pressures of between 250 and 1000 psig wherein said reactor pressures does follow a given time profile and
- cooking by maintaining the lignocellulosic material at said time variable pressures between 250 and 1000 psig for a total period of time (t_c) in seconds, which includes the pressurization phase, wherein $t_3 \leq t_c \leq t_4$ and the given reactor pressure time profile is used to determine t_3 and t_4 that given cook run since t_3 is defined implicitly by

$$\int_0^{t_3} 2 \left(\frac{T_s - 250}{10} \right) dt = 58$$

and t_4 and defined implicitly by

$$\int_0^{t_4} 2 \left(\frac{T_s - 250}{10} \right) dt = 115$$

wherein T_s is the temperature ($^{\circ}\text{C}$.) of saturated steam, at the indicated reactor pressures and corresponds to the saturated steam temperature values along the indicated reactor pressure time profile thereby also making T_s a given function of time; (t) and

- (d) suddenly decompressing the cooked lignocellulosic materials by ejection through an outlet portion of the pressure reactor vessel in an explosive manner; and
- (e) decompressing the cooked lignocellulosic material down to substantially atmospheric pressure at the said cooking time.

Complete Specification 29 pages. Drawings 6 sheets.

CLASS : 98 G. 156847
Int. Cl. : F 28C 3/00.

"APPARATUS FOR CARRYING OUT THERMO-DYNAMIC PROCESSES COMPRISING A PAIR OF MUTUALLY OPPOSITE PHASE TRANSITIONS OF A WORK MEDIUM".

Applicant : ENERGIAGAZDALKODASI INTEZET, OF BUDAPEST II. BEMRAKPART 33-34, HUNGARY, A HUNGARIAN COMPANY.

Inventor : LASZLO SZUCE; CSABA TASNADI.

Application for Patent No. 486/Del/81 filed on 30th July, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

32 Claims

Apparatus for carrying out thermo-dynamic processes involving mutually opposite phase transitions of a work medium and comprising, in combination, confining plates and spacers therebetween which form adjacent casings enclosing phase transition compartments and work medium passages, characterized in that at least two of said casings adjacent to each other enclose an even number of and not less than four phase transition compartments which open pairwise into one another through orifices in said confining plates or in portions of said casings to form work chambers for said mutually opposite phase transitions of said work medium, said work chambers being connected in series by said work chambers being connected in series by said work medium passages to form subsequent stages of said thermo-dynamic processes within said casings.

Compl. Specn. 76 pages. Drgs. 32 sheets.

CLASS : 83 A. 156848
Int. Cl. : A 23 11/00.

"A METHOD OF PRODUCING A RESTRUCTURED FOOD PRODUCT FROM SMALL PIECES OF SAID FOOD PRODUCT".

Applicant : FRYDAY CORPORATION, A CORPORATION OF THE STATE OF NORTH CAROLINA, UNITED STATES OF AMERICA, OF 301 EAST WOODLAWN ROAD, CHARLOTTE, NORTH CAROLINA, UNITED STATES OF AMERICA.

Inventor : JAXON ODELL HICE, & GERALD JOE WFBF.

Application for Patent No. 488/Del/1981 filed on 31st July, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

7 Claims

A method of producing a restructured food product of the kind such as herein described from small pieces of said food product, said method comprising the steps of :

- (a) comminuting a food product to form a paste having a fluent consistency;
- (b) injecting said paste into a mold cavity under a high pressure;

- (c) maintaining said paste in said mold cavity at a pressure of the range such as herein described which is above a predetermined level while simultaneously maintaining the walls of said mold cavity at a predetermined elevated temperature of a range such as herein described which is sufficient to rapidly cook said paste there in uniformly until a fully cooked food product is formed; and

- (d) removing in any known manner said cooked food product from said mold cavity.

Compl. Specn. 19 pages.

Drgs. 7 sheets.

CLASS : 103 & 70C. 156849
Int. Cl. : C23c 1/00.

"METHOD OF COATING A FURNACE HEATED FERROUS METAL STRAND WITH A METALLIC COATING MEDIUM AND APPARATUS FOR CARRYING ON THE METHOD".

Applicant : JOHN LYSAGHT (AUSTRALIA) LIMITED, A COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF NEW SOUTH WALES COMMONWEALTH OF AUSTRALIA, OF 50 YOUNG STREET, SYDNEY NEW SOUTH WALES, AUSTRALIA.

Inventors : RICHARD CHARLES BARRETT & MALCOLM ROBERT JOHN GROVE.

Application for Patent No. 495/Del/81 filed on 4th August, 1981.

Convention date 19th August, 1980/PE 5122/(Australia).

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

11 Claims

A method of coating a furnace-heated, ferrous-metal strand with a metallic coating medium comprising the steps :—

- (a) moving the strand longitudinally through a protective hood having a strand departure end dipping into a bath of the metallic coating medium in molten condition, so that said departure end encloses a fraction of the medium's top surface.
- (b) maintaining a gaseous reducing environment within said hood which is substantially quiescent at least in the vicinity of said departure end,
- (c) introducing a reducing gas into a strand furnace outlet duct disposed upstream of said hood and through which said strand proceeds on its way to said hood, so that said gas diffuses into said hood, and
- (d) restricting the rate of diffusion of said gas from said duct into said hood to a rate substantially no greater than is necessary to maintain the amount said composition of the gas in said hood substantially constant.

Compl. Specn. 10 pages.

Drgs. 2 sheets.

CLASS : 108 B. 156850
Int. Cl. : C 21b 13/00.

"A PROCESS FOR THE DIRECT REDUCTION OF MATERIALS CONTAINING IRON OXIDES".

Applicant : DAVY McKEE (STOCKTON) LIMITED, STOCKTON-ON TEES, ENGLAND TS 18 2RF, A UNITED KINGDOM INCORPORATED COMPANY.

Inventor : GEOFFREY NIGEL BOUITER ALAN CHRISTOPHER BAKER, & VITIE PAUL KERAN.

Application for Patent No. 499/Del/1981 filed on 06th August, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

8 Claims

In the process for directly reducing materials containing iron oxides in a rotary kiln using a solid carbonaceous reducing agent, fed at the materials feed end and at the discharge end of the kiln, as both fuel and reductant, and wherein a sulfur control agent such as limestone or dolomite is also fed to the kiln, the improvement for maintaining the sulfur level in the DRI product below 0.05% by weight and preferably below 0.02% by weight comprising the steps of :

maintaining the temperature of the solids bed of materials in the region toward the discharge end of the kiln within the range of $1070^{\circ} \pm 15^{\circ}\text{C}$;

maintaining the fixed carbon level within the range of 5% to 15% by weight in the total materials discharged from the discharge end of the kiln;

feeding the sulfur control agent at a rate in the range from 1% to 5% by weight of the iron-oxides-containing materials fed;

screening the sulfur control agent fed to the kiln to limit the size of the its particles to less than 3.3 mm.;

screening the iron-oxides-containing materials fed to the kiln eliminate particles thereof a size less than 3.3 mm.;

using a solid carbonaceous reducing agent having less than 2% sulfur content;

maintaining the temperature of the gas above the solids bed of materials in the region toward the feed end of the kiln above 750° to rapidly "roast" the pyritic sulfur component in the materials fed at the feed end;

using iron-oxides-containing materials with a weight percent of sulfur less than that to be contained in the DRI product; and

returning to the kiln the charred reducing agent in the discharged materials from the kiln and screening out the sulfur control agent therefrom before returning said charred reducing agent to the kiln.

Compl. Specn. 22 pages.

Drgs. 1 sheet.

CLASS : 40-F; 56-A.

156851

Int. Cl. : B 01 d 3/00.

IMPROVEMENTS IN A COLUMN AND A METHOD FOR REMOVING VINYL CHLORIDE FROM AN AQUEOUS SLURRY OF POLYVINYL-CHLORIDE PARTICLES.

Applicant : SHEIL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. OF CARFI VAN BYLANDTIAAN 30, THE HAGUE, THE NETHERLANDS.

Inventors : 1. JOHAN JAN BAREND PEK. 2. STEEF PAARDEKOOPER.

Application No. 1442/Cal/81 filed December 22, 1981.

Convention date 31st December 1980 (8041574) United Kingdom.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Improvement in a column for removing vinyl chloride from an aqueous slurry of polyvinylchloride particles by passing said slurry downwardly, countercurrent to an upward flow of stripping steam, said column having a plurality of horizontal trays with apertures for the passage of gas and at least one discharge device for slurry having an open upper end and slurry discharge openings in or near its otherwise closed lower end and extending partly above and partly below the tray, the said improvement resides in that the said upper ends have a distance of between 50 and 250 mm to the bottom face of the next higher tray and the said gas apertures each has a cross sectional area of between 7 mm^2 and 1250 mm^2

Compl. Specn. 12 pages.

Drgs. 2 sheets.

2—327 GI/85

CLASS : 50-D.

156852

Int. Cl. : F 25 d 31/00.

A HEAT EXCHANGER FOR COOLING SYNTHETIC GAS.

Application : TEXACO DEVELOPMENT CORPORATION, OF 2000 WESTCHESTER AVENUE, WHITE PLAINS, NEW YORK 10650, UNITED STATES OF AMERICA.

Inventors : 1. WOLFGANG KOOG, 2. FRANK EDWARD GUPTILL.

Application No. 121/Cal/82 filed February 1, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A heat exchanger for cooling synthesis gas comprising an outer shell having an inlet for said synthesis gas with entrained solids at one end of said shell, an inner water wall for radiation heat exchange from said synthesis gas to a fluid in said water wall, an other water wall within said shell and forming an annulus with said inner water wall, an outlet for said synthesis gas from said annulus, and means for causing said synthesis gas to flow the length of said inner water wall and back in said annulus to said outlet.

Compl. Specn. 13 pages.

Drgs. 1 sheet.

CLASS : 83-A.

156853

Int. Cl. : A 01 J 15/00.

PROCESS FOR PRODUCING WATER-FREE MILK FAT.

Applicant : VEB KOMBINAT FORTSCHRITT, LANDMASCHINEN NEUSTADT IN SACHSEN, 8355, NEUSTADT IN SACHSEN, BERGHAUSSTRASSE 1, GERMAN DEMOCRATIC REPUBLIC.

Inventors : 1. PETER KRUGER, 2. ULRICH HULSEN, 3. HANS-HEINRICH SCHMIDT, 4. VOLKER NICKEL.

Application No. 169/Cal/82 filed February 12, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim

Process for producing water-free milk fat using a fat-in water emulsion with a fat content of preferably between 40% and 55% and a temperature of preferably above 8°C as a starting product through mechanical treatment of this starting product, in order to achieve a general fatty phase, in which the watery phase is embedded completely as an emulsified component, characterized by that for the purpose of influencing the structural viscosity of the general fatty phase present in plastic fats the mechanical treatment such as herein described is continued until the state is obtained in which the general fatty phase adopts a state of pourability preferably at a temperature below the clear-melting point of the entire butter fat and the general fatty phase containing solid or crystalline components is transformed from the phase of plasticity into the phase of mobility in which the enclosed droplets of water are mobile and the thus obtained watery phase is separated from the fatty phase in a subsequent separation stage.

Compl. Specn. 7 pages.

Drgs. Nil.

CLASS : 32-E.

156854

Int. Cl. : C 08 f 3/00, 13/00.

AN IMPROVED PROCESS FOR PRODUCING PROPYLENEPOLYMER BLOCK COPOLYMER OR PROPYLENE POLYMERS.

Applicant : MITSUBISHI TOYOTSU CHEMICALS, INC. OF 2-5 3-CHOME, KASUMIGASEKI, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. TADASHI ASANUMA, 2. ICHIRO FUJIO, 3. NOBUTAKA UCHIKAWA, 4. TETSUNO SUKE SHIOMURA.

Application No. 257/Cal/82 filed March 5, 1982.

Appropriate Office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An improved process for producing propylene-ethylene block copolymers or propylene polymers with high yield having good impact strength and high rigidity to multi-stage polymerization with different, ethylene/propylene reaction ratios in the presence of a stereospecific catalyst using a polymerization equipment composed of two or more polymerization vessels connected together in series, the last one comprising more than one vessel connected in parallel, wherein said improvement comprising polymerizing propylene alone or copolymerizing propylene and ethylene at the ethylene/propylene reaction ratio lower than 6/91 by weight by continuous bulk polymerization using as a medium propylene with substantially no inert medium in at least one polymerization vessel or polymerization vessels, connected together in series, transferring the resulting polymer to the following polymerization vessel in which polymerization is performed by batch-wise bulk polymerization using as a medium propylene with substantially no inert medium at the ethylene/propylene reaction ratio of 15/85 to 95/5 by weight and decreasing the catalyst activity by adding a catalyst deactivator such as methyl p-tolylate to less than 2/3 in feeding the polymer slurry from the continuous polymerization vessel to the batch-wise polymerization vessel, in one or more steps with or without an intermediate step of increasing the catalyst activity by adding a catalyst activator such as triethyl stannium.

Compl. Specn. 67 pages

Drgs. 6 sheets

CLASS : 84-C₁.

156855

Int. Cl. : C 10 b 47/00.

CONTINUOUS CARBONISER FOR THE PRODUCTION OF DOMESTIC COKE FROM COAL.

Applicants : (1) CENTRAL MINE PLANNING AND DESIGN INSTITUTE LTD. (A SUBSIDIARY OF COAL INDIA LIMITED), OF GONDWANA PLACE, KANKE ROAD, RANCHI-834008 BIHAR, INDIA, (2) EASTERN CARBONS, OF "SNEH MILAN", TELEPHONE EXCHANGE ROAD, DHANBAD-826001, BIHAR, INDIA.

Inventors : 1. AMAR PRASAD BANERJI, 2. ASOK RANJAN DAS GUPTA, 3. DEBIDAS BASU, 4. RANJIT KUMAR CHAKRABORTI.

Application No. 388/Cal/82 filed April 7, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

16 Claims

A continuous carboniser for the production of domestic coke from coal comprising one or more refractory-lined retort(s) of rectangular cross-section with inside thereof widening towards the bottom, the or each said retort having a coal charging means on top and a discharge outlet at the bottom said discharge outlet being provided with means for controlled discharge of the carbonised product i.e. coke and also with two or more gates on either side to prevent escape of flame and heat loss by radiation or otherwise characterised in that the or each said retort has at substantially the central zone thereof outlet(s) leading to suction pipe line(s) for suction of produced gas through the said suction pipe-line(s) and that the latter is (are) connected with recycling line(s), said recycling line(s) being communicated to the bottom of the or each said retort through the said two gates of the or each said retort for recycling into the retort(s) desired volume of the produced gas under controlled pressure.

Compl. Specn. 20 pages.

Drgs. 2 sheets.

CLASS : 32-B, F₃ (c); 40-F.

156856

Int. Cl. : B 01 j 9/04; C 07 c 11/02, 29/10

PROCESS FOR THE DECOMPOSITION OF ALKYL TERT-ALKYL ETHERS TO OLEFINS AND ALCOHOLS.

Applicant : SNAMPROGETTI S.p.A., OF CORSO VENEZIA 16, MILAN, ITALY.

Inventor : 1. GIANCARLO PARET.

Application No. 395/Cal/82 filed April 8, 1982.

Appropriate Office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

A process for the decomposition of alkyl tert-alkyl ethers in order to produce the corresponding olefin and alcohol, characterised in that the alkyl tert-alkyl ether is fed to a distillation column containing catalyst suitable for the ether decomposition and the olefin produced is withdrawn continuously from the top of the column, the final product being constituted by pure alcohol and a mixture of alcohol and ether.

Compl. Specn. 5 pages

Drgs. 1 sheet

CLASS : 35-E.

156857

Int. Cl. : C 04 b 35/10.

ZIRCON-CONTAINING COMPOSITION FOR USE IN PRODUCING REFRACTORY BODIES.

Applicant : FLOGATES LIMITED, OF SANDIRON HOUSE, DEACHER, SHEFFIELD S7 2RA, ENGLAND

Inventor : 1. MICHAEL ANTHONY ROBERTS.

Application No. 464/Cal/82 filed April 26, 1982.

Convention dated 8th May, 1981 (14108/81) United Kingdom.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A composition for use in producing pressed and fired refractory bodies, which comprises a blend of four separate particulate components namely alumina chromic oxide, magnesia and zircon, the major component of the blend by weight being alumina, and 1 to 10% by weight of the blend being the zircon component.

Compl. Specn. 19 pages.

Drgs. Not

CLASS : 99-E.

156858

Int. Cl. : B 32 b 1/00.

TUBULAR PACKAGING CONTAINER AND A PROCESS AND AN APPARATUS FOR PRODUCING THE SAME.

Applicant : KMK KARL MAGERLE LIZENZ AG., OF BAARERSTRASSE 57, 6300 ZUG, SWITZERLAND.

Inventor : 1. KARL MAGERLE.

Application No. 516/Cal/82 filed May 6, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A tubular packaging container with a tube body of multiply foil rolled and lap-welded and comprising at least one metal layer and at least one layer of thermoplastic material, forming the inner wall of the tube body, a head piece of thermoplastic material having a cylindrical neck portion and a conical shoulder portion, welded to the inner wall of the tube body, and an annular collar disposed on the inside of the shoulder portion and made of multiply foil with an outermost thermoplastic layer on each side and a metallic intermediate layer, the shoulder being welded to the adjacent thermoplastic layer

of the collar, the collar having its rim portions embedded in the head piece, wherein an annular portion of thermoplastic material is provided on the side of the collar facing away from the shoulder portion and welded to the inner wall of the tube body and to the thermoplastic layer of the collar on the side removed from the shoulder and wherein the outer rim of the collar forms a flange with respect to the remainder thereof and extends in a radial direction towards the tube body.

Compl. Specn. 17 pages.

Drgs. 2 sheets.

CLASS : 172-B.

156859

Int. Cl. : D 01 h 11/00, 15/00.

A METHOD AND DEVICE FOR SUCTION REMOVAL OF THREAD UPON BREAK.

Applicant : MASCHINENFABRIK RIETERAG, OF WINTERTHUR, SWITZERLAND.

Inventors : 1. JUERG BISCHOFBERGER, 2. HERBERT STALDER.

Application No. 644/Cal/82 filed June 5, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

A device for suction removal of thread upon break in particular for double-sided spinning machines, with a suction duct provided with suction nozzles, which duct extends over the length of the machine, is located in a region underneath the drafting mechanisms and discharges into a suction chamber, characterized in that a second duct is provided parallel to the suction duct, and in that at least one substantially vertical connecting channel is provided between the suction duct and a second duct.

Compl. Specn. 12 pages

Drgs. 3 sheets.

CLASS : 32-E.

156860

Int. Cl. C 08 f 3/30.

AN IMPROVED METHOD FOR PRODUCTION OF VINYL CHLORIDE RESIN.

Applicant : KANEGAFUCHI KAGAKU KOGYO KABUSHIKI KAISHA, OF 2-4, 3-CHOME, NAKANOSHIMA, KITA-KU, OSAKA, JAPAN.

Inventors : 1. YOSHIO TOMISHIMA, 2. TEIJI LOBAYASHI, 3. HIROSHI SHIBAHARA, 4. YASUHIRO NOJIMA.

Application No. 726/Cal/82 filed June 22, 1982.

Appropriate Office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

In a process of preparing a vinyl chloride resin by the suspension polymerization of vinyl chloride or a monomeric mixture comprising vinyl chloride as a main ingredient and other monomers co-polymerizable therewith using a polymerization vessel equipped with a reflux condenser, the improvement comprising carrying out the polymerization initiated by

keeping the temperature of the side of cooling water of the reflux condenser higher than that of the polymerization temperature being in the range of from 40 to 75°C, thereafter passing cooling water therethrough, in order to suppress bubbling in the vessel at the initial stage of polymerization so as to obtain vinyl chloride resin of high quality and high productivity.

Compl. Specn. 18 pages.

Drgs. 1 sheet.

CLASS : 6-B₁

156861

Int. Cl. : F 25 j 3/06.

A PROCESS FOR RECOVERING ONE OR MORE CONDENSABLE HYDROCARBONS FROM A GASEOUS STREAM.

Applicant : SNAMPROGETTI S.p.A., OF CORSO VENEZIA 16, MILAN, ITALY.

Inventors : 1. CESARE FABBRI, 2. GIANFRANCO BELLIETTO, 3. GIUSEPPE LA MANTIA, 4. BIAGIO FAILLA.

Application No. 787/Cal/82 filed July 7, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for recovering one or more condensable hydrocarbons from a gaseous stream which contains them, using *inter alia* an expansion turbine and a fractionating column, which process comprises the following stage :—

- (i) cooling said gaseous stream to a temperature above or slightly above the temperature at which a hydrate is formed;
- (ii) dehydrating the condensate thus obtained and feeding it to the fractionating column;
- (iii) dehydrating the separated gas and cooling it;
- (iv) separating the gas from the condensate under a comparatively high pressure and expanding the gas in the expansion turbine to an intermediate pressure corresponding to that in the head of the fractionating column;
- (v) expanding the condensate under a comparatively high pressure through an expansion valve to a pressure which permits the liquid thus obtained to be fed to the fractionating column, while the gas obtained is mixed with the stream emerging from the expansion turbine;
- (vi) separating the liquid from the gas of the aforementioned mixture and pumping the liquid to the fractionating column;
- (vii) admixing the separated gas of stage (vi) with the gas from the head of the fractionating column;
- (viii) cooling the mixed gas and recovering negative calories from the residual gas;

- (ix) separating the gas from the condensate under an intermediate pressure i.e. a pressure intermediate between the feeding pressure and the pressure the residual gas had prior to having been compressed, and expanding the gas to a comparatively low pressure which is a function of the composition and the pressure of the gaseous stream and of the degree of recovery required;
- (x) expanding through a valve the condensate under an intermediate pressure to the outlet pressure of the extension of stage (ix) and admixing the two streams;
- (xi) further separating under a comparatively low pressure the condensate from the residual gas and pumping the condensate to the head of the fractionating column; and
- (xii) heating the residual gas under a comparatively low pressure with recovery of negative calories, and re-compressing this gas.

Compl. specn. 16 pages.

Drg. 1 sheet.

OPPOSITION PROCEEDINGS

(1)

The opposition entered by M/s. Venus Engineering Co., to the grant of a patent on application No. 147109 made by Mr. Bhupendra Purushottam Shroff and Surendra Purushottam Shroff, as notified in the Gazette of India, Part-III, Section 2 dated the 17th November 1979 has been dismissed and ordered that a patent to be sealed.

(2)

The opposition entered by Balpahar Refractories Limited to the grant of a patent on application No. 151057 made by Orissa Cement Limited as notified in the Gazette of India, Part-III, Section 2 dated the 3rd September, 1983 has been partly allowed and ordered that a patent to be sealed subject to amendment of the specification.

(3)

The opposition entered by M/s Pressure Cookers & Appliances Limited to the grant of a Patent on application No. 155197 made by The Prestige Group Pvt. Limited formerly Prestige Group Limited as notified in the Gazette of India, Part-III, Section 2 dated the 24th August, 1985 has been treated as withdrawn and ordered that the application for patent to be sealed.

(4)

An opposition has been entered by M/s. National Winder and Rajkumar Sah & Sons, Varanasi (U.P.) to the grant of a patent on application No. 155984 made by Shri Nandan Ramdas Chittal, Bombay

(5)

An opposition has been entered by Projects & Development India Limited, to the grant of a patent on application No. 155933 made by The Fertilisers and Chemicals, Travancore Limited.

(6)

The opposition entered by M/s. Pcfco Foundry and Chemicals Limited to the grant of a patent on application No. 155753 made by Syntex Pharmaceuticals International Limited as notified in the Gazette of India, Part-III, Section 2

dated the 28th September, 1985 has been treated as withdrawn and ordered that the application for patent to be sealed.

PATENTS SEALED

152414 152419 154167 154214 154220 154318 154342 154343
154348 154432 154433 154479 154500 154501 154503 154505
154506 154510 154511 154512 154513 154514 154515 154516
154517 154518 154519 154523 154531 154551 154553 154554
154555 154557 154559.

CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

(1)

The claim made by Director, Central Water and Power Research Station under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 93/Bom/77 in his name has been allowed.

(2)

The claim made by LIM KUNSTSTOFF-TECHNOLOGIE GESFLLSCHAFT m.b.H under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 151523 in their name has been allowed.

(3)

The claim made by Mineral Deposits Limited under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 152885 in their name has been allowed.

(4)

The claim made by SANTA FE INTERNATIONAL CORPORATION under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 154128 in their name has been allowed.

(5)

The claim made by Mrs. BERYL GRACE STUBERSFIELD under Section 20(1) of the Patent Act, 1970 to proceed the application for Patent No. 154459 in their name has been allowed.

The claim made by STERIMATIC HOLDINGS LIMITED under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 154961 in their name has been allowed.

(7)

The claim made by STERIMATIC HOLDINGS LIMITED under Section 20(1) of the Patents Act, 1970 to proceed the application for Patent No. 155453 in their name has been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57

(1)

Notice is hereby given that Sumitomo Chemical Company, Limited, a corporation organised under the laws of Japan, of 15, Kitahama-5-chome, Higashi-ku, Osaka, Japan have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their Patent application No. 153740 for "Process for producing monoalkali salt

of 1-amino-8-naphthol-3, 6, disulfonic acid". The amendment are by way of correction to make the specification more clear. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said.

(2)

Notice is hereby given that Mitsutoatsu Chemicals, Inc., a Japanese Company, of 2-5, Kasumigaseki 3-chome, Chiyoda-ku, Tokyo, Japan have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their Patent Application No. 155235 for "Process for the preparation of novel 2-Arylpropy ether or thioether derivatives". The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges.

Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed Form 30 within three months from the date of this notification at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

RENEWAL FEES PAID

128365 128934 136105 136205 136898 137133 137654 138043
138095 138115 139414 139572 139634 139785 139833 139916
139982 140080 140097 140178 140182 140315 140475 140838
141012 141022 141032 141137 141419 141959 142056 142142
142300 142429 142621 142668 142690 142995 143088 143110
143203 143209 143285 143508 143807 144211 144213 144245
144647 144807 144876 144920 145263 145517 145796 145882
146293 146363 146516 146622 146748 146914 146925 146989
147035 147038 147049 147159 147290 147546 147547 147659
147701 147709 147754 147783 147789 147890 147897 147898
147928 147966 148059 148099 148164 148817 148818 148820
148823 148834 148857 148878 148962 149047 149097 149108
149134 149218 149273 149410 149426 149581 150036 150163
150168 150191 150285 150315 150319 150329 150347 150391
150398 150435 150455 150471 150701 150792 150892 150924
150936 150963 151001 151083 151084 151159 151168 151244
151330 151392 151443 151445 151506 151549 151608 151667
151725 151745 151769 151850 151879 151880 151951 151993
152069 152079 152167 152428 152459 152461 152535 152635
152726 152766 152821 152894 152929 152930 152945 153030
153056 153102 153103 153118 153134 153178 153186 153187
153188 153190 153191 153230 153233 153234 153235 153245
153301 153343 153367 153460 153517 153655 153711 153721
153731 153747 153799 153835 153837 153838 154034 154043
154117 154121 154140.

RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 147580 dated the 31st January, 1978 made by Council of Scientific & Industrial Research on the 29th November, 1984 and notified in the Gazette of India, Part-III, Section 2 dated the 25th May, 1985 has been allowed and the said patent restored.

CANCELLATION PROCEEDINGS
(SECTION 51A)

An application made by Rajpal Plastic Industries for cancellation of the Registration of Design No(s) 155337 in the class 3 in the name of Plasticrafts has been filed.

CANCELLATION PROCEEDINGS
(SECTION 51A)

An application made by Ashok Iron & Steel Fabricators for cancellation of the Registration of Design No(s) 154878 in the Class 1 in the name of Bansi Engineering Corporation has been filed.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 3. No. 155636. S. S. Industries, a Registered Partnership Firm of Space 15, 8th floor, Shantiniketan, 8, Camac Street, Calcutta-700 017, State of West Bengal, India. "Ball Point Pen". 7th May, 1985.

Class 3. No. 155638. S. S. Industries, a registered Partnership Firm of Space 15, 8th floor, Shantiniketan, 8, Camac Street, Calcutta-700 011, State of West Bengal, India. "Ball Point Pen". 8th May, 1985.

Class 3. No. 155830. M/s. Fifer International, Registered Partnership Firm, all Indian Nationals, of 1252/1339 Kamakshi Palya, Bangalore-560 079, State of Karnatak, India. "Bottle". 10th July, 1985.

Class 3. No. 155888. Magatul Chemicals Private Limited, an Indian Company, Manufacturers and Merchants; whose address is 34, Ajay Deep, 3rd Floor, 240, Parin Nariman Street, Fort, Bombay-400 001, Maharashtra State, India. "Container With a cap". 23rd July, 1985.

Class 3. 155870. M/s. M. S. Plastic Industries, 2F/1, Double Storey, Opp. Boys High School, Faridabad, (Haryana), an Indian Partnership concern. "Plate". 23rd July, 1985.

Class 3. No. 155823. Mehta Enterprises, an Indian Sole Proprietary firm of 239, Sahakar Nagar, Poona-9, Maharashtra, India, "Containers". 10th July, 1985.

- Class 3. No. 155944. Bhargava Enterprises 'Shivadarshan', Shivapuri, Akkalkot 413 216, District Sholapur, State of Maharashtra, India, an Indian Proprietary firm. "Appliance for Massaging the Body". 16th August. 1985.
- Class 4. No. 155539. JG Glass Limited, of Pimpri, Pune-411 018, Maharashtra State, India, an Indian Company "Soft Drink Bottle". 30th March, 1985.

Extn. of Copyright for the Second period of five years.

Nos. 155045, 149240, 154125, 154126.Class 3

Nos. 149331, 149332.Class 4.

Extn. of Copyright for the Third period of five years.

Nos. 143499, 143498.Class 1.

Nos. 155045, 154125, 154126. Class 3.

R. A. ACHARYA
Controller General of Patents, Designs
and Trade Marks